

# Notice of Allowability

Application No.

09/611,764

Examiner

Joseph S. Del Sole

Applicant(s)

FEUERHERM ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response of 7/19/04.
2. ☒ The allowed claim(s) is/are 6, 9, 10 and 19.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date Attached.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Elizabeth Collard Richter on 12/13/04.

The application has been amended as follows:

the non-elected claims have been cancelled as set forth:

Claims 1-5: (cancelled);

Claim 6 (Previously Presented): An extruder head for extrusion blow-molding plastic containers, comprising:

a ring gap nozzle having a mandrel and a ring-shaped nozzle body;

an elastically deformable sleeve; and

setting devices for radially deforming the elastic sleeve;

whereby the sleeve arranged at the end on the nozzle outlet side defines an annular gap whose width is variable by axial setting movements of the mandrel and/or nozzle body, and whose geometry can be influenced by deforming the sleeve while a hose-like preformed blank is being extruded; and whereby the sleeve is radially movably guided on sliding surfaces supporting the sleeve in the upward and downward directions; characterized in that

the sleeve arranged in the body of the nozzle has a conical widening toward the end on the nozzle outlet side and that the inside diameter ( $d_1$ ) of the sleeve measured on the upper face is smaller than the inside diameter ( $d_2$ ) of the sleeve on the nozzle outlet; and that

the wall profile of the sleeve and the height of the points of force application of the setting devices along the sleeve, said points of force application being located out of center in the longitudinal direction of the sleeve, are coordinated with one another in such a way that the upper face of the sleeve guided on a sliding surface of the nozzle body at least approximately maintains its plane parallelism in relation to the sliding surface when the sleeve is deformed.

Claims 7-8: (cancelled);

Claim 9 (Previously Presented): The extruder head according to claim 6, characterized in that the sleeve has conical widenings at both ends, whereby the conical widening at the nozzle outlet is larger than the widening at the upper end on the inlet side.

Claim 10 (Previously Presented): The extruder head according to claim 9, characterized in that the sleeve has a cylindrical center section located between the conical widenings.

Claims 11-18: (cancelled);

Claim 19 (Previously Presented) The extruder head according to claim 6, characterized in that the sleeve is arranged without lower support on the face side on the outlet of the ring gap nozzle and has a supporting surface for the radially movable

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support, said supporting surface being arranged on the periphery of the sleeve with a spacing from the lower end of the sleeve.

Claims 20-26: (cancelled).

### ***Correspondence***

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Joseph S. Del Sole whose telephone number is (571) 272-1130. The examiner can normally be reached on Monday through Friday from 8:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Benjamin Utech, can be reached at (571) 272-1137. The official fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 for both non-after finals and for after finals.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from the either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll-free).

  
J.S.D.

December 13, 2004